

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/539,847
Source: PG
Date Processed by STIC: 2/13/06

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 02/13/2006

PATENT APPLICATION: US/10/539,847

TIME: 12:52:11

Input Set : A:\Sequence listing.TXT

Output Set: N:\CRF4\02132006\J539847.raw

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3 <110> APPLICANT: ARES TRADING S.A.
5 <120> TITLE OF INVENTION: Metalloprotease Proteins
7 <130> FILE REFERENCE: P032718WO
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,847
C--> 10 <141> CURRENT FILING DATE: 2005-06-20
12 <150> PRIOR APPLICATION NUMBER: GB 0230006.9
13 <151> PRIOR FILING DATE: 2002-12-23
15 <160> NUMBER OF SEQ ID NOS: 51
17 <170> SOFTWARE: SeqWin99, version 1.02
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 52
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
24 <400> SEQUENCE: 1
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27 <210> SEQ ID NO: 2
28 <211> LENGTH: 18
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 2
33 Met Gly Gly Ser Gly Val Val Glu Val Pro Phe Leu Leu Ser Ser Lys
34 1          5          10          15
36 Tyr Asp
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 118
41 <212> TYPE: DNA
42 <213> ORGANISM: Homo sapiens
44 <400> SEQUENCE: 3
45 atgagcccag ccgccaggtc atcctggagg ctcttgcgga gtttgaacgt tccacgtgca      60
46 tcaggtttgt cacctatcag gaccagagag acttcatttc catcatcccc atgtatgg      118
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 39
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 4
54 Glu Pro Ser Arg Gln Val Ile Leu Glu Ala Leu Ala Glu Phe Glu Arg
55 1          5          10          15
57 Ser Thr Cys Ile Arg Phe Val Thr Tyr Gln Asp Gln Arg Asp Phe Ile
58          20          25          30
60 Ser Ile Ile Pro Met Tyr Gly
61          35
63 <210> SEQ ID NO: 5
64 <211> LENGTH: 182

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65 <212> TYPE: DNA
66 <213> ORGANISM: Homo sapiens
68 <400> SEQUENCE: 5
69 gtgcttctcg agtgtggggc gcagtggagg gatgcaggtg gtctccctgg cgccacgtg 60
70 tctccagaag ggccggggca ttgtccttca tgagctcatg catgtgctgg gcttctggca 120
71 cgagcacacg cgggccgacc gggaccgcta tatccgtgtc aactggaacg agatcctgcc 180
72 ag 182
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 61
76 <212> TYPE: PRT
77 <213> ORGANISM: Homo sapiens
79 <400> SEQUENCE: 6
80 Cys Phe Ser Ser Val Gly Arg Ser Gly Gly Met Gln Val Val Ser Leu
81 1 5 10 15
83 Ala Pro Thr Cys Leu Gln Lys Gly Arg Gly Ile Val Leu His Glu Leu
84 20 25 30
86 Met His Val Leu Gly Phe Trp His Glu His Thr Arg Ala Asp Arg Asp
87 35 40 45
89 Arg Thr Ile Arg Val Asn Trp Asn Glu Ile Leu Pro Gly
90 50 55 60
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 82
94 <212> TYPE: DNA
95 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 7
98 gctttgaaat caacttcatac aagtctcaga gcagcaacat gctgacgccc tatgactact 60
99 cctctgtgat gcactatggg ag 82
101 <210> SEQ ID NO: 8
102 <211> LENGTH: 27
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 8
107 Phe Glu Ile Asn Phe Ile Lys Ser Gln Ser Ser Asn Met Leu Thr Pro
108 1 5 10 15
110 Tyr Asp Tyr Ser Ser Val Met His Tyr Gly Arg
111 20 25
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 155
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 9
119 gctcgccttc agccggcgtg ggctgcccac catcacacca ctttgggccc ccagtgtcca 60
120 catcggccag cgatggaacc tgagtgcctc ggacatcacc cgggtcctca aactctacgg 120
121 ctgcagccca agtggcccca ggccccgtgg gagag 155
123 <210> SEQ ID NO: 10
124 <211> LENGTH: 52
125 <212> TYPE: PRT
126 <213> ORGANISM: Homo sapiens
128 <400> SEQUENCE: 10

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129 Leu Ala Phe Ser Arg Arg Gly Leu Pro Thr Ile Thr Pro Leu Trp Ala
130 1 5 10 15
132 Pro Ser Val His Ile Gly Gln Arg Trp Asn Leu Ser Ala Ser Asp Ile
133 20 25 30
135 Thr Arg Val Leu Lys Leu Tyr Gly Cys Ser Pro Ser Gly Pro Arg Pro
136 35 40 45
138 Arg Gly Arg Gly
139 50
141 <210> SEQ ID NO: 11
142 <211> LENGTH: 419
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 11
147 ggtcccatgc ccacagcact ggtaggagcc ccgccccggc ctccctatct ctgcagcggc 60
148 ttttggaggc actgtcggcg gaatccagga gccccgacct cagtgggtcc agtgcgggag 120
149 gccagcccggt tcctgcaggg cctggggaga gccacatgg gtgggagtcc cctgccctga 180
150 aaaagctcag tgcagaggcc tcggcaaggc agcctcagac cctagcttcc tccccaaagt 240
151 caaggcctgg agcaggtgcc cccggtgttg ctcaggagca gtcctggctg gccggagtgt 300
152 ccaccaagcc cacagtccca tcttcaggag caggaatcca gccagtcctt gtccagggaa 360
153 gccagctctt gccagggggc tgtgtacctt gaaaccactt caaggggatg tccgaagat 419
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 139
157 <212> TYPE: PRT
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 12
161 Ser His Ala His Ser Thr Gly Arg Ser Pro Ala Pro Ala Ser Leu Ser
162 1 5 10 15
164 Leu Gln Arg Leu Leu Glu Ala Leu Ser Ala Glu Ser Arg Ser Pro Asp
165 20 25 30
167 Pro Ser Gly Ser Ser Ala Gly Gly Gln Pro Val Pro Ala Gly Pro Gly
168 35 40 45
170 Glu Ser Pro His Gly Trp Glu Ser Pro Ala Leu Lys Lys Leu Ser Ala
171 50 55 60
173 Glu Ala Ser Ala Arg Gln Pro Gln Thr Leu Ala Ser Ser Pro Arg Ser
174 65 70 75 80
176 Arg Pro Gly Ala Gly Ala Pro Gly Val Ala Gln Glu Gln Ser Trp Leu
177 85 90 95
179 Ala Gly Val Ser Thr Lys Pro Thr Val Pro Ser Ser Glu Ala Gly Ile
180 100 105 110
182 Gln Pro Val Pro Val Gln Gly Ser Pro Ala Leu Pro Gly Gly Cys Val
183 115 120 125
185 Pro Arg Asn His Phe Lys Gly Met Ser Glu Asp
186 130 135
188 <210> SEQ ID NO: 13
189 <211> LENGTH: 1008
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 13
194 atgggtggta gtgggtgtcgt ggaggtcccc ttctgtctct ccagcaagta cgatgagccc 60

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195 agccgccagg tcacctgga ggctcttgcg gagtttgaac gttccacgtg catcaggttt 120
196 gtcacctatc aggaccagag agacttcatt tccatcatcc ccatgtatgg gtgcttctcg 180
197 agtgtggggc gcagtggagg gatgcagggtg gtctccctgg cgcccacgtg tctccagaag 240
198 ggccggggca ttgtccttca tgagctcatg catgtgctgg gcttctggca cgagcacacg 300
199 cgggccgacc gggaccgcta tatccgtgtc aactggaacg agatcctgcc aggccttgaa 360
200 atcaacttca tcaagtctca gagcagcaac atgctgacgc cctatgacta ctctctgtg 420
201 atgcactatg ggaggctcgc cttcagccgg cgtgggctgc ccaccatcac accactttgg 480
202 gccccacgtg tccacatcgg ccagcgatgg aacctgagtg cctcggacat caccggggtc 540
203 ctcaaaactct acggctgcag cccaagtggc cccaggcccc gtgggagagg gtcccatgcc 600
204 cacagcactg gtaggagccc cgccccggcc tccctatctc tgcagcggct tttggaggca 660
205 ctgtcggcgg aatccaggag ccccgacccc agtggttcca gtgcgggagg ccagcccgtt 720
206 cctgcagggg ctggggagag cccacatggg tgggagtccc ctgccctgaa aaagctcagt 780
207 gcagaggcct cggcaaggca gcctcagacc ctgacttctc cccaagatc aaggcctgga 840
208 gcaggtgccc ccggtgttgc tcaggagcag tcttggtgg cgggagtgtc caccaagccc 900
209 acagtcccat cttcagaagc aggaatccag ccagtccttg tccagggaag cccagctctg 960
210 ccaggggggt gtgtacctag aaatcatttc aaggggatgt ccgaagat 1008

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212 <210> SEQ ID NO: 14

213 <211> LENGTH: 336

214 <212> TYPE: PRT

215 <213> ORGANISM: Homo sapiens

217 <400> SEQUENCE: 14

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218 Met Gly Gly Ser Gly Val Val Glu Val Pro Phe Leu Leu Ser Ser Lys
219 1 5 10 15
221 Tyr Asp Glu Pro Ser Arg Gln Val Ile Leu Glu Ala Leu Ala Glu Phe
222 20 25 30
224 Glu Arg Ser Thr Cys Ile Arg Phe Val Thr Tyr Gln Asp Gln Arg Asp
225 35 40 45
227 Phe Ile Ser Ile Ile Pro Met Tyr Gly Cys Phe Ser Ser Val Gly Arg
228 50 55 60
230 Ser Gly Gly Met Gln Val Val Ser Leu Ala Pro Thr Cys Leu Gln Lys
231 65 70 75 80
233 Gly Arg Gly Ile Val Leu His Glu Leu Met His Val Leu Gly Phe Trp
234 85 90 95
236 His Glu His Thr Arg Ala Asp Arg Asp Arg Tyr Ile Arg Val Asn Trp
237 100 105 110
239 Asn Glu Ile Leu Pro Gly Phe Glu Ile Asn Phe Ile Lys Ser Gln Ser
240 115 120 125
242 Ser Asn Met Leu Thr Pro Tyr Asp Tyr Ser Ser Val Met His Tyr Gly
243 130 135 140
245 Arg Leu Ala Phe Ser Arg Arg Gly Leu Pro Thr Ile Thr Pro Leu Trp
246 145 150 155 160
248 Ala Pro Ser Val His Ile Gly Gln Arg Trp Asn Leu Ser Ala Ser Asp
249 165 170 175
251 Ile Thr Arg Val Leu Lys Leu Tyr Gly Cys Ser Pro Ser Gly Pro Arg
252 180 185 190
254 Pro Arg Gly Arg Gly Ser His Ala His Ser Thr Gly Arg Ser Pro Ala
255 195 200 205
257 Pro Ala Ser Leu Ser Leu Gln Arg Leu Leu Glu Ala Leu Ser Ala Glu
258 210 215 220

```

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260 Ser Arg Ser Pro Asp Pro Ser Gly Ser Ser Ala Gly Gly Gln Pro Val
261 225                230                235                240
263 Pro Ala Gly Pro Gly Glu Ser Pro His Gly Trp Glu Ser Pro Ala Leu
264                245                250                255
266 Lys Lys Leu Ser Ala Glu Ala Ser Ala Arg Gln Pro Gln Thr Leu Ala
267                260                265                270
269 Ser Ser Pro Arg Ser Arg Pro Gly Ala Gly Ala Pro Gly Val Ala Gln
270                275                280                285
272 Glu Gln Ser Trp Leu Ala Gly Val Ser Thr Lys Pro Thr Val Pro Ser
273 290                295                300
275 Ser Glu Ala Gly Ile Gln Pro Val Pro Val Gln Gly Ser Pro Ala Leu
276 305                310                315                320
278 Pro Gly Gly Cys Val Pro Arg Asn His Phe Lys Gly Met Ser Glu Asp
279                325                330                335
282 <210> SEQ ID NO: 15
283 <211> LENGTH: 55
284 <212> TYPE: DNA
285 <213> ORGANISM: Homo sapiens
287 <400> SEQUENCE: 15
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290 <210> SEQ ID NO: 16
291 <211> LENGTH: 19
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 16
296 Met Glu Gly Val Gly Gly Leu Trp Pro Trp Val Leu Gly Leu Leu Ser
297 1                5                10                15
299 Leu Pro Gly
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 126
304 <212> TYPE: DNA
305 <213> ORGANISM: Homo sapiens
307 <400> SEQUENCE: 17
308 gtgtgacctt aggagcgccc ctggcctcca gctgcgcagg agcctgtggt accagcttcc      60
309 cagatggcct cacccttgag ggaaccagg cctccgggga caaggacatt cctgcaatta      120
310 accaag                                126
312 <210> SEQ ID NO: 18
313 <211> LENGTH: 42
314 <212> TYPE: PRT
315 <213> ORGANISM: Homo sapiens
317 <400> SEQUENCE: 18
318 Val Ile Leu Gly Ala Pro Leu Ala Ser Ser Cys Ala Gly Ala Cys Gly
319 1                5                10                15
321 Thr Ser Phe Pro Asp Gly Leu Thr Pro Glu Gly Thr Gln Ala Ser Gly
322                20                25                30
324 Asp Lys Asp Ile Pro Ala Ile Asn Gln Gly
325                35                40
327 <210> SEQ ID NO: 19
328 <211> LENGTH: 62

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VERIFICATION SUMMARY

DATE: 02/13/2006

PATENT APPLICATION: US/10/539,847

TIME: 12:52:12

Input Set : A:\Sequence listing.TXT

Output Set: N:\CRF4\02132006\J539847.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date